

ABSTRACT OF THE DISCLOSURE

An optical film has a transparent film, an adhesive layer provided on one surface of the transparent film, the adhesive layer having a refractive index different by 0.1 or less from 5 that of a layer of the one surface of the transparent film, and a repetitive prismatic structure provided on the other surface of the transparent film, the repetitive prismatic structure having optical path changing slopes aligned in a substantially constant direction at an inclination angle in 10 a range of from 35 to 48 degrees with respect to a plane of the transparent film. Another optical film has a transparent film having an average in-plane retardation of not larger than 30 nm, an adhesive layer provided on one surface of the transparent film, the adhesive layer having a refractive index 15 different by 0.12 or less from that of a layer of the one surface of the transparent film, and the repetitive prismatic structure provided on the other surface of the transparent film. Still another optical film has a transparent film having a refractive index of not lower than 1.49, a transparent adhesive layer 20 provided on one surface of the transparent film, the transparent adhesive means having a refractive index of not lower than 1.49, and the repetitive prismatic structure provided on the other surface of the transparent film.